ELSEVIER

Journal of Power Sources 56 (1995) 215

JOURNAL OF POWER SOURCES

Author Index of Volume 56

Adams, W.A., 69
Aiken, P.A., 69
Aldebert, P., 31
Anantharaman, P.N., 145
Ando, O., 189
Antonini, A., 37
Arof, A.K., 153

Bae, J.-S., 25
Balasubramanian, R., 197
Balasubramanian, T.S., 209
Beck, F., 179
Boinowitz, T., 179
Bonino, F., 193
Buda, M., 133

Charlesworth, J.M., 19
Chellammal, S., 145
Choi, Y.-M., 25

Dixit, M., 97

Farooque, M., 1
Francisca Flora, M., 125
Fujimoto, H., 165
Fujimoto, M., 189

Ganesh Kumar, V., 111
Gangadharan, R., 197
Garrard, W.N.C., 19
Gogulamurali, N., 107

Hashimoto, T., 205
Higuchi, S., 165
Hui, L., 115, 201

IJdo, D.J.W., 51
Iriyama, T., 205
Itoh, Y., 11

Jian, T., 213
Jiongliang, Y., 115, 201
Johnsen, R., 1

Kamath, P.V., 111
Kanamura, K., 165
Kawakami, F., 205
Ke, J.-J., 75, 157
Kötz, R., 51
Krohn, H., 179
Kumagai, N., 87

Liu, P., 81

MacLean, G.K., 69
Manev, V., 137
Maru, H., 1
Maruthamuthu, P., 107
Miachon, S., 31
Miyake, Y., 11
Mohamed, N.S., 153
Mohammadi, T., 91
Moon, S.-I., 25
Mori, Y., 205
Moshtev, R.V., 137
Müller, S., 51
Munichandraiah, N., 111
Murayama, T., 189
Mussivand, T., 69
Myrén, C., 45

Nakajima, T., 11
Nakanishi, N., 11
Nishio, K., 189
Noel, M., 101, 125, 145
Noguchi, H., 61

Ono, H., 189

Panero, S., 193
Pasquali, M., 37, 193
Pereira-Ramos, J.-P., 87
Pistoia, G., 37, 193
Puresheva, B., 137
Pyun, S.-I., 25

Ravikumar, M.K., 209

Saiai, A., 11
Saitoh, T., 11
Sakaebe, H., 165
Santhanam, R., 101, 125
Schenzhong, L., 213
Shiroki, H., 205
Shukla, A.K., 111, 209
Sima, M., 133
Skyllas-Kazacos, M., 91
Subban, R.H.Y., 153
Subrahmanyam, A., 171
Suden, G.t., 179
Suresh, M.S., 171
Suthanthiraraj, S.A., 107

Takehara, Z., 165
Takeshige, H., 61
Ten Kortenaar, M.V., 51
Thyberg Naumann, S., 45
Tormin, U., 179

Usha, K., 171

Veluchamy, A., 197
Venkatakrishnan, N., 197
Vente, J.F., 51
Visan, T., 133
Vishnu Kamath, P., 97

Wu, H., 81

Xia, Y., 61

Yamabe, T., 205
Yamazaki, S., 205
Yanaru, H., 11
Yoshinaga, N., 189
Yoshio, M., 61
Yu, H.-M., 75
Yuh, C., 1
Yunchang, D., 115, 201

Zane, D., 37
Zeyun, W., 201
Zhang, D.-J., 75, 157
Zhaorong, C., 115, 201
Zhu, W.-H., 75, 157
Zlatilova, P., 137

Elsevier Science S.A.

ELSEVIER

Journal of Power Sources 56 (1995) 216–219

JOURNAL OF POWER SOURCES

Subject Index of Volume 56

Additives
a study of the electrochemistry of nickel hydroxide electrodes with various additives, 75
Alkaline storage batteries
on the performance of stabilized α-nickel hydroxide as a nickel-positive electrode in alkaline storage batteries, 111
Aluminium
electrosynthesis and stabilization of α-cobalt hydroxide in the presence of trivalent cations, 97

Batteries
electrochemical characterization of magnesium/silver chloride battery, 197
Biogas
fuel processing of biogas for small fuel cell power plants, 45

Cadmium
open-circuit voltage recovery of nickel/cadmium cells, 171
Carbon
construction and destruction of passivating layer on Li_xC_6 in organic electrolytes: an impedance study, 81
material balance of petroleum coke/$LiNiO_2$ lithium-ion cells, 137
Carbonate fuel cell materials
status of carbonate fuel cell materials, 1
Cathode materials
preparation of a FeOCl derivative with pyrrole and its performance as a cathode material in a secondary lithium battery system, 165
Cathodes
effects of dopants on electrochemical performance of nickel cathodes, 115
Cells
open-circuit voltage recovery of nickel/cadmium cells, 171
Chitosan
polymer batteries fabricated from lithium complexed acetylated chitosan, 153
Chloride
a comparative study of zinc–polyaniline electrochemical cells having sulfate and chloride electrolytes, 133
Chromium
electrosynthesis and stabilization of α-cobalt hydroxide in the presence of trivalent cations, 97
Cobalt hydroxide
electrosynthesis and stabilization of α-cobalt hydroxide in the presence of trivalent cations, 97
Coke carbon
lithium doping/undoping in disordered coke carbons, 205
Conductive polymers
electrochemical characteristics of polyaniline synthesized by various methods, 189

Copper
fabrication and characterization of solid-state cells using CuI_{100-x}–(silver ortho/pyrophosphate)$_x$ $(0 < x < 60)$ mixed systems as solid electrolytes, 107
Cyclic voltammetry
effect of concentration of lithium ions on the voltammetric responses of nitro-substituted aromatic sulfides in dimethylformamide on glassy carbon electrodes, 145

Daramic
use of polyelectrolyte for incorporation of ion-exchange groups in composite membranes for vanadium redox flow battery applications, 91
Divinylbenzene
use of polyelectrolyte for incorporation of ion-exchange groups in composite membranes for vanadium redox flow battery applications, 91
Dopants
effects of dopants on electrochemical performance of nickel cathodes, 115

Electrical conductivity
oxygen evolution and reduction on iridium oxide compounds, 51
Electrocatalysis
oxygen evolution and reduction on iridium oxide compounds, 51
Electrochemical impedance
effects of lithium content on the electrochemical lithium intercalation reaction into $LiNiO_2$ and $LiCoO_2$ electrodes, 25
Electrodes
a study of the electrochemistry of nickel hydroxide electrodes with various additives, 75
electrochemical intercalation of ionic species of tetrabutylammonium perchlorate on graphite electrodes. A potential dual-intercalation battery system, 101
electrochemical impregnation and performance of nickel hydroxide electrodes with porous plaques of hollow nickel fibres, 157
a nickel–iron battery with roll-compacted iron electrodes, 209
Electrode surface effects
effect of concentration of lithium ions on the voltammetric responses of nitro-substituted aromatic sulfides in dimethylformamide on glassy carbon electrodes, 145
Electrolytes
application of the quartz crystal microbalance to measurement of the concentration of electrolyte in lead/acid batteries, 19
Electrosynthesis
electrosynthesis and stabilization of α-cobalt hydroxide in the presence of trivalent cations, 97

Elsevier Science S.A.

Glassy carbon electrodes
effect of concentration of lithium ions on the voltammetric responses of nitro-substituted aromatic sulfides in dimethylformamide on glassy carbon electrodes, 145
Graphite
electrochemical intercalation of ionic species of tetrabutylammonium perchlorate on graphite electrodes. A potential dual-intercalation battery system, 101
material balance of petroleum coke/$LiNiO_2$ lithium-ion cells, 137
a metal-free polypyrrole/graphite secondary battery with an anion shuttle mechanism, 179
Graphite electrodes
comparison of fluoride intercalation/de-intercalation processes on graphite electrodes in aqueous and aqueous methanolic HF media, 125

Heat balance
a study of heat and material balances in an internal-reforming molten carbonate fuel cell, 11
Host lattice
low temperature molybdenum oxide as host lattice for lithium intercalation, 87
Hydrogen
internal hydration H_2/O_2 100 cm^2 polymer electrolyte membrane fuel cell, 31
Hydrogen fluoride
comparison of fluoride intercalation/de-intercalation processes on graphite electrodes in aqueous and aqueous methanolic HF media, 125

Implantable devices
preliminary evaluation of rechargeable lithium-ion cells for an implantable battery pack, 69
Intercalation
electrochemical intercalation of ionic species of tetrabutylammonium perchlorate on graphite electrodes. A potential dual-intercalation battery system, 101
Iodine
fabrication and characterization of solid-state cells using CuI_{100-x}–(silver ortho/pyrophosphate), ($0 \leqslant x \leqslant 60$) mixed systems as solid electrolytes, 107
Ion-exchange reaction
preparation of a FeOCl derivative with pyrrole and its performance as a cathode material in a secondary lithium battery system, 165
Iridium oxide compounds
oxygen evolution and reduction on iridium oxide compounds, 51
Iron
preparation of a FeOCl derivative with pyrrole and its performance as a cathode material in a secondary lithium battery system, 165
a nickel–iron battery with roll-compacted iron electrodes, 209

Lattice constant
effects of lithium content on the electrochemical lithium intercalation reaction into $LiNiO_2$ and $LiCoO_2$ electrodes, 25
Layered double hydroxide
electrosynthesis and stabilization of α-cobalt hydroxide in the presence of trivalent cations, 97
Layered oxide
effects of lithium content on the electrochemical lithium intercalation reaction into $LiNiO_2$ and $LiCoO_2$ electrodes, 25
Lead/acid batteries
application of the quartz crystal microbalance to measurement of the concentration of electrolyte in lead/acid batteries, 19
Lithiated manganese oxides
studies on an Li–Mn–O spinel system (obtained by melt-impregnation) as a cathode for 4 V lithium batteries. Part 1. Synthesis and electrochemical behaviour of $Li_xMn_2O_4$, 61
Lithium
studies on an Li–Mn–O spinel system (obtained by melt-impregnation) as a cathode for 4 V lithium batteries. Part 1. Synthesis and electrochemical behaviour of $Li_xMn_2O_4$, 61
construction and destruction of passivating layer on Li_xC_6 in organic electrolytes: an impedance study, 81
polymer batteries fabricated from lithium complexed acetylated chitosan, 153
rechargeable lithium batteries based on $Li_{1+x}V_3O_8$ thin films, 193
Lithium diffusion
effects of lithium content on the electrochemical lithium intercalation reaction into $LiNiO_2$ and $LiCoO_2$ electrodes, 25
Lithium doping sites
lithium doping/undoping in disordered coke carbons, 205
Lithium intercalation
effects of lithium content on the electrochemical lithium intercalation reaction into $LiNiO_2$ and $LiCoO_2$ electrodes, 25
low temperature molybdenum oxide as host lattice for lithium intercalation, 87
Lithium-ion batteries
studies on an Li–Mn–O spinel system (obtained by melt-impregnation) as a cathode for 4 V lithium batteries. Part 1. Synthesis and electrochemical behaviour of $Li_xMn_2O_4$, 61
lithium doping/undoping in disordered coke carbons, 205
Lithium-ion cells
material balance of petroleum coke/$LiNiO_2$ lithium-ion cells, 137
Lithium ions
effect of concentration of lithium ions on the voltammetric responses of nitro-substituted aromatic sulfides in dimethylformamide on glassy carbon electrodes, 145

Magnesium
electrochemical characterization of magnesium/silver chloride battery, 197
Manganese dioxide
synthesis of Mn spinels from different polymorphs of MnO_2, 37
Manganese oxides
studies on an Li–Mn–O spinel system (obtained by melt-impregnation) as a cathode for 4 V lithium batteries. Part 1. Synthesis and electrochemical behaviour of $Li_xMn_2O_4$, 61
Manganese spinels
synthesis of Mn spinels from different polymorphs of MnO_2, 37
Material balance
a study of heat and material balances in an internal-reforming molten carbonate fuel cell, 11
material balance of petroleum coke/$LiNiO_2$ lithium-ion cells, 137
Methanol
comparison of fluoride intercalation/de-intercalation processes on graphite electrodes in aqueous and aqueous methanolic HF media, 125
Molten carbonate fuel cells
a study of heat and material balances in an internal-reforming molten carbonate fuel cell, 11
Molybdenum oxide
low temperature molybdenum oxide as host lattice for lithium intercalation, 87

Nickel
effects of dopants on electrochemical performance of nickel cathodes, 115
open-circuit voltage recovery of nickel/cadmium cells, 171
Nickel cathode
a study of the performance of a paste-type nickel cathode, 201
Nickel fibres
electrochemical impregnation and performance of nickel hydroxide electrodes with porous plaques of hollow nickel fibres, 157
Nickel hydroxide
a study of the electrochemistry of nickel hydroxide electrodes with various additives, 75
on the performance of stabilized α-nickel hydroxide as a nickel-positive electrode in alkaline storage batteries, 111
electrochemical impregnation and performance of nickel hydroxide electrodes with porous plaques of hollow nickel fibres, 157
Nickel–iron batteries
a nickel–iron battery with roll-compacted iron electrodes, 209
Nitro aromatic sulfides
effect of concentration of lithium ions on the voltammetric responses of nitro-substituted aromatic sulfides in dimethylformamide on glassy carbon electrodes, 145
N-methylpyrrole
preparation of a FeOCl derivative with pyrrole and its performance as a cathode material in a secondary lithium battery system, 165

Organic electrolytes
construction and destruction of passivating layer on Li_xC_6 in organic electrolytes: an impedance study, 81
Oxygen
internal hydration H_2/O_2 100 cm^2 polymer electrolyte membrane fuel cell, 31
Oxygen-evolution reaction
oxygen evolution and reduction on iridium oxide compounds, 51

Passivating layer
construction and destruction of passivating layer on Li_xC_6 in organic electrolytes: an impedance study, 81
Paste-type cathodes
a study of the performance of a paste-type nickel cathode, 201
Petroleum coke
material balance of petroleum coke/$LiNiO_2$ lithium-ion cells, 137
Phosphoric acid fuel cells
fuel processing of biogas for small fuel cell power plants, 45
Polyaniline
a comparative study of zinc–polyaniline electrochemical cells having sulfate and chloride electrolytes, 133
electrochemical characteristics of polyaniline synthesized by various methods, 189
Polyelectrolyte
use of polyelectrolyte for incorporation of ion-exchange groups in composite membranes for vanadium redox flow battery applications, 91
Polymer electrolyte membrane fuel cells
internal hydration H_2/O_2 100 cm^2 polymer electrolyte membrane fuel cell, 31
Polymer electrolytes
polymer batteries fabricated from lithium complexed acetylated chitosan, 153
Polypyrrole
a metal-free polypyrrole/graphite secondary battery with an anion shuttle mechanism, 179
Poly(sodium 4-styrenesulfonate)
use of polyelectrolyte for incorporation of ion-exchange groups in composite membranes for vanadium redox flow battery applications, 91
Positive electrodes
on the performance of stabilized α-nickel hydroxide as a nickel-positive electrode in alkaline storage batteries, 111
Pyrochlores
oxygen evolution and reduction on iridium oxide compounds, 51
Pyrrole
preparation of a FeOCl derivative with pyrrole and its performance as a cathode material in a secondary lithium battery system, 165

Quartz crystal microbalance
application of the quartz crystal microbalance to measurement of the concentration of electrolyte in lead/acid batteries, 19

Rechargeable lithium batteries
rechargeable lithium batteries based on $Li_{1+x}V_3O_8$ thin films, 193
Rechargeable lithium-ion cells
preliminary evaluation of rechargeable lithium-ion cells for an implantable battery pack, 69

Secondary batteries
a metal-free polypyrrole/graphite secondary battery with an anion shuttle mechanism, 179
Secondary cells
a comparative study of zinc–polyaniline electrochemical cells having sulfate and chloride electrolytes, 133
Silver
fabrication and characterization of solid-state cells using CuI_{100-x}–(silver ortho/pyrophosphate)$_x$ ($0 \leqslant x \leqslant 60$) mixed systems as solid electrolytes, 107
Silver chloride
electrochemical characterization of magnesium/silver chloride battery, 197
Silver phosphates
fabrication and characterization of solid-state cells using CuI_{100-x}–(silver ortho/pyrophosphate)$_x$ ($0 \leqslant x \leqslant 60$) mixed systems as solid electrolytes, 107
Solid-state cells
fabrication and characterization of solid-state cells using CuI_{100-x}–(silver ortho/pyrophosphate)$_x$ ($0 \leqslant x \leqslant 60$) mixed systems as solid electrolytes, 107
Spinel
studies on an Li–Mn–O spinel system (obtained by melt-impregnation) as a cathode for 4 V lithium batteries. Part 1. Synthesis and electrochemical behaviour of $Li_xMn_2O_4$, 61
Sulfate
a comparative study of zinc–polyaniline electrochemical cells having sulfate and chloride electrolytes, 133

Tetrabutylammonium perchlorate
electrochemical intercalation of ionic species of tetrabutylammonium perchlorate on graphite electrodes. A potential dual-intercalation battery system, 101
Thin films
rechargeable lithium batteries based on $Li_{1+x}V_3O_8$ thin films, 193
Vanadium
rechargeable lithium batteries based on $Li_{1+x}V_3O_8$ thin films, 193
Vanadium redox battery
use of polyelectrolyte for incorporation of ion-exchange groups in composite membranes for vanadium redox flow battery applications, 91